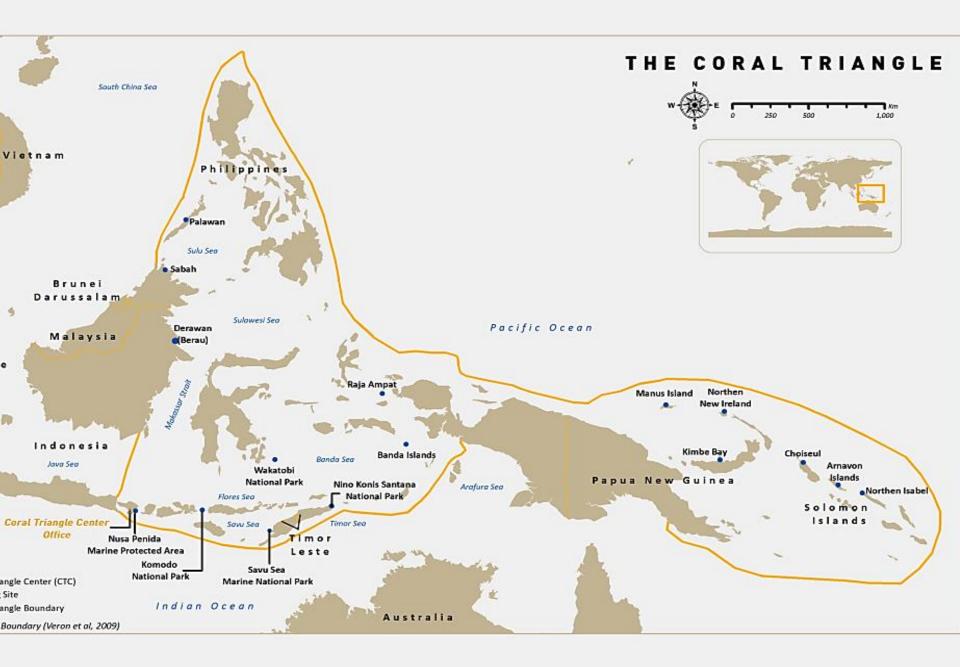


Ecotourism at Nusa Penida MPA, Bali: A pilot for community based approaches to support the sustainable marine resources management

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International Conference on Climate Change and Coral Reef Conservation, Okinawa Japan, 30 June 2013













Community, Biodiversity, Aesthetics, Culture, Social-economics

- Southeast of Bali Island
- Nusa Penida Islands: Penida, Lembongan and Ceningan Islands
- Klungkung District 16 administrative villages, 40 traditional villages (mostly Balinese)- 45.000 inhabitants
- Fishers, tourism workers, seaweed farmers, farmers, cattle ranchers
- Coral reefs (300 species), mola-mola, manta rays, cetaceans, sharks, mangroves (13 species), seagrass (8 species)
- Devotion to tradition, rituals and culture, preserving sacred

Local Balinese Cultural Festival

Marine Recreational Operations



Table corals

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Manta ray (Manta birostris)

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Oceanic Sunfish (Mola mola)



Teners

Historical Background





- 2008 Initiated cooperation TNC/CTC Klungkung District Government
- Ecological surveys baseline data
- 2009 Working group on Nusa Penida MPA Establishment (local government agencies, traditional community groups, NGO)
- Focus Group Discussions public consultations & awareness
- Marine Area reserved for MPA 20.057 hectares -Klungkung District Decree no. 12 of 2010



Conflicts among key stakeholders over coastal space uses

- Overlapping uses of small coastal areas – fishers, seaweed farmers and marine tourism sector
- Fishing activities vs diving sites
- Beaches and adjacent reefs: coastal resorts, marine tour operators vs. Seaweed farming
- Mangrove cutting: firewood for salt production, poles/pegs for seaweed



Overlapping use of resources



Multi-used small islands coastal area







Participatory measures and actions

Series of public consultations with key stakeholders groups

Consensuses:

- Establishment of MPA
- Zoning system
- Open-close areas
- Stop mangrove cutting practices
- Mangrove rehabilitation



Mangrove Rehabilitation



Nusa Penida Marine Protected Area and Zoning System



Establishment of community ecotourism and processes

- Mapping of mangrove areas and species inventory
- Mangrove planting initiated by community groups
- Community group for organizing & operating mangrove tour
- Community operators 34 dugout wooden boats
- Cooperating with big tour operators (Sail Sensation and Bali Hai)

Mangrove Tour – Community Operated





Financial aspect

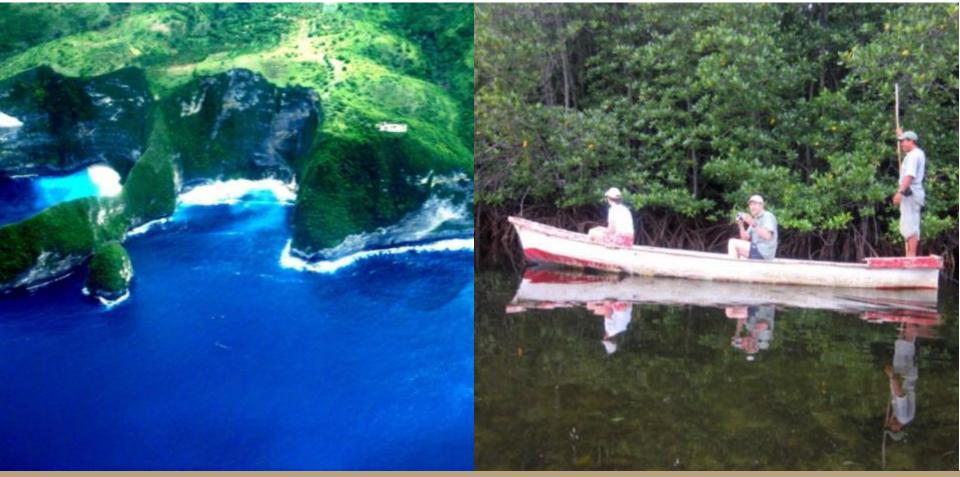
- Financial benefit for locals
- Fee Rp. 70.000/trip (approx. USD. 7,50) – max 4 pax per trip
- Per boat average 2-3 trips/day
- Fee allocation per trip:
 - Rp. 5.000 for cooperative
 - Rp. 5.000 for village
 - Rp. 60.000 for operator
- Average visitation/month circa 400-500 tourists
- During low visitation season \rightarrow seaweed farming



Ecoourism and Seaweed Farming

Dinning and discussion at the mangrove forest community restaurant







Current practices and challenges ahead.

- Restaurants and homestays developments surround mangrove forests areas
- Capacity building for community operators English proficiency, hospitality, nature guiding
- Promotion and marketing always limit to carrying capacity to preventing mass tourism
- Monthly regular meeting organizing, income and revenue allocation, cooperative, cleaning practices waste management
- Public utilities and facilities sanitary, public toilets, roads and tracks
- Coordination with local agencies.









Ensuring Coral Reefs for Life Code of Conducts for **Marine Tourism** Sustainable Financing system **Joint Patrol Team** Capacity Building Learning Site Awareness and Education Pilot for Blue **Economy scheme**

PROFIL WISATA BAHARI NUSA PENIDA

Kabupaten Klungkung, Propinsi Bali

Oleh : Marthen Welly (CTC) Wira Sanjaya (CTC) Dita Primaoktasa (Universitas Brawijaya) Indra Pramana Putra (Universitas Brawijaya) Maa Junia Tatas (Universitas Brawijaya)







iturinyaan dan Partecaata Ausame Klangkung Corol Reefs for Life





Learning Site Program

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ported by:





CTI MPA regional exchange March 2012

Learning Network activity in MPA Nusa Penida, Bali, Indonesia



Learning Site Program



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THANK YOU